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	From the INTERNATIONAL BUREAU			
PCT	То:			
NOTIFICATION OF THE RECORDING OF A CHANGE (PCT Rule 92bis.1 and Administrative Instructions, Section 422) Date of mailing (day/month/year) 11 July 2006 (11.07.2006)	TAKAMATSU, Takeshi Eikoh Patent Office 7-13, Nishi-Shimbashi 1-chome Minato-ku, Tokyo 1050003 Japan			
Applicant's or agent's file reference P040605P0	IMPORTANT NOTIFICATION			
International application No. PCT/JP2006/302780	International filing date (day/month/year) 10 February 2006 (10.02.2006)			
The following indications appeared on record concerning: the applicant	the agent · the common representative			
Name and Address TAKAMATSU, Takeshi Eikoh Patent Office 13th Floor, ARK Mori Building 12-32, Akasaka 1-chome	State of Nationality State of Residence Telephone No. 03-5561-3990			
Minato-ku, Tokyo 1076013 Japan	Facsimile No. 03-5561-3995			
	Teleprinter No.			
2. The International Bureau hereby notifies the applicant that to the person the name X the add				
Name and Address TAKAMATSU, Takeshi	State of Nationality State of Residence			
Eikoh Patent Öffice 7-13, Nishi-Shimbashi 1-chome Minato-ku, Tokyo 1050003	Telephone No. 03-6203-9500			
Japan	Facsimile No. 03-6203-9607			
	Teleprinter No.			
3. Further observations, if necessary:				
4. A copy of this notification has been sent to:				
X the receiving Office	the designated Offices concerned			
the International Searching Authority the International Preliminary Examining Authority	the elected Offices concerned other:			
The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Authorized officer Yuichiro AIDA (Fax 338 7010)			
Facsimile No. (41-22) 338.70.10	Telephone No. (41-22) 338 8994			

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	see form P	CT/ISA/220	. -		WR INTERNATI	ONAL S	OPINION OF TH EARCHING AU Rule 43 <i>bis</i> .1)	E THORITY
	·				Date of mailing (day/month/year)	see form P	CT/ISA/210 (second she	et)
Applic	ant's or agent's file i	reference			FOR FURTHE	R ACTIO	N	
see	form PCT/ISA/22	:0			See paragraph 2		×	
1	ational application N JP2006/302780		International filir 10.02.2006	ng date (d	day/month/year)		ly date <i>(day/month/year)</i> 2.2005	
Intern	ational Patent Class	ification (IPC) or I	both national class	sification	and IPC			
INV.	H01L21/00 H01	J37/32 H01L2	1/677 H05K13	02				
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Appli	cant SUSHITA ELEC	CTRIC INDUS	TRIAL CO., LT	TD.				
IVIA		311.16 11.15 0						
1.	This opinion co	ntains indicati	ons relating to	the fol	lowing items:			
	⊠ Box No. I	Basis of the op	oinion					
	⊠ Box No. II	Priority						
	☐ Box No. III	Non-establish	ment of opinion	with reg	ard to novelty, inv	entive step	and industrial applica	ability
	☐ Box No. IV	Lack of unity of	of invention					
	⊠ Box No. V	Béacanad sta	tement under R	ule 43 <i>bi</i> danation	is.1(a)(i) with regans supporting such	rd to novelt n statement	ty, inventive step or in t	dustrial
	☐ Box No. VI	Certain docun	nents cited					
	☐ Box No. VII		ts in the internat					
	⊠ Box No. VIII	Certain obser	vations on the i	nternatio	onal application		*	
2.	FURTHER ACT	ION						
	written opinion of the applicant ch International Bu will not be so co	of the Internation nooses an Autho nreau under Ruk onsidered.	nal Preliminary prity other than t e 66.1 <i>bis</i> (b) tha	his one t written	to be the IPEA and opinions of this In	d the chose ternational	lly be considered to b that this does not app en IPEA has notifed th Searching Authority	ne
		EA a written rep f mailing of Form					the applicant is invite before the expiration o from the priority date	
	For further option	ons, see Form F	PCT/ISA/220.		•			
з.	·		Form PCT/ISA	<i>/</i> 220.			•	
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Na	me and mailing add	ress of the ISA:		Date of this op	f completion of	Authorized	Officer	Strengs Palances
-	Europea NL-2280 Tel. +31		P.B. 5818 Patentla ys Bas :: 31 651 epo nl		m	De Krooi	n, A No. +31 70 340-3514	

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/JP2006/302780

	Box	No	. I Basis of the opinion
1.	With	reg	gard to the language, this opinion has been established on the basis of:
	\boxtimes	the	international application in the language in which it was filed
		a tra	ranslation of the international application into , which is the language of a translation furnished for the rposes of international search (Rules 12.3(a) and 23.1 (b)).
2.	With	reç essa	gard to any nucleotide and/or amino acid sequence disclosed in the international application and ary to the claimed invention, this opinion has been established on the basis of:
	a. ty	pe o	of material:
		3	a sequence listing
	Ε	<u></u>	table(s) related to the sequence listing
	b. fo	orma	at of material:
	[]	on paper
			in electronic form
	c. ti	me	of filing/furnishing:
	[contained in the international application as filed.
	·		filed together with the international application in electronic form.
	ļ		furnished subsequently to this Authority for the purposes of search.
3.		ha: co	addition, in the case that more than one version or copy of a sequence listing and/or table relating theretous been filed or furnished, the required statements that the information in the subsequent or additional upies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4.	. Add	ditio	onal comments:
_	Во	x No	o. Il Priority
1	. 🛛	do	ne validity of the priority claim has not been considered because the International Searching Authority bes not have in its possession a copy of the earlier application whose priority has been claimed or, where equired, a translation of that earlier application. This opinion has nevertheless been established on the assumption that the relevant date (Rules 43 <i>bis</i> .1 and 64.1) is the claimed priority date.
2	. 🗆	ha	his opinion has been established as if no priority had been claimed due to the fact that the priority claim as been found invalid (Rules 43 bis.1 and 64.1). Thus for the purposes of this opinion, the international ing date indicated above is considered to be the relevant date.
3	. Ad	ditio	onal observations, if necessary:

International application No. PCT/JP2006/302780

Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)

Yes: Claims

1,2

2

No:

Inventive step (IS)

Yes: Claims

Claims No:

Claims

Industrial applicability (IA)

Yes: Claims

1,2

Claims No:

2. Citations and explanations

see separate sheet

Box No. VIII Certain observations on the international application

The following observations on the clarity of the claims, description, and drawings or on the question whether the claims are fully supported by the description, are made:

see separate sheet

Re Item V

Reasoned statement with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Reference is made to the following documents:

D1 = US 5 823 416 A **D2** = US 5 443 689 A

- The present application does not meet the criteria of Article 33(1) PCT, because the subject matter of independent claim 1 does not involve an inventive step in the sense of Article 33(3) PCT.
- 2.1 Document **D1**, which is considered to represent the most relevant state of the art to the subject matter of claim **1**, discloses (the references in parentheses applying to this document):

A plasma treatment apparatus (abstract; c.f. column 3, lines 54-62; c.f. fig. 1 (12,13) and fig. 12) for plasma treating a surface of a substrate in a treatment chamber, comprising: a base portion which forms a bottom portion of the treatment chamber (column 3, lines 23-33; c.f. figures 1 and 12 (12)); a box shaped member with its lower surface side open and a lower end portion abuts against a base surface on top of the base portion so as to form the treatment chamber (column 3, lines 37-45; c.f. figures 1 and 12 (13)); an electrode section which is fitted on the base portion through an insulator and whose upper surface is exposed in the treatment chamber (column 6, line 60, to column 7, line 8; c.f. column 8, lines 10-17; c.f. figures 8 and 9 (34)); a substrate mounting portion whose upper surface is covered with a ceramic (column 7, lines 33-45; c.f. fig. 12 (6,40,41) and figures 8 and 9 (40,41)); plasma generating means for generating a plasma for plasma treatment in the treatment chamber (column 9, line 3, to column 10, line 50; c.f. figures 12 (19,61,64) and 13); a plurality of bar-shaped ceramic guide members which are disposed on the upper surface of the substrate mounting portion along a substrate transporting direction and are adapted to guide side end surfaces of the substrate mounted on the substrate mounting portion (column 7, lines 33-45; c.f. figures 8 and 9 (40,41)); and guide member holding means for holding longitudinal both end portions of the guide members (column 7, lines 33-45; figures 8 and 9 (12,12c,42)), wherein the guide member holding means includes: a pair of fixed members which are fixedly disposed on the base portion in a transverse direction being at a right angle to the substrate transporting direction along outer edges of the substrate mounting portion (column 7, lines 33-35; c.f. figures 8 and 9 (both side end members of the treatment area A of the base 12 in the direction of the transport path L), and fitting means (column 7, lines 35-39; c.f. figures 8 and 9 (12c,42)) such that the interval in the transverse direction is adjustable (column 7, lines 42-44).

2.2 The subject-matter of independent claim 1 differs from the disclosure of D1 in that:

The substrate mounting portion constitutes an upper portion of said electrode section, and both the end portions of said guide members are supported by a plurality of supporting members whose position in the substrate transporting direction is given by the fixed members and who are fitted to said fixed members by said fitting means.

2.3 The problem to be solved by the present invention may therefore be regarded as

How to provide a plasma treatment system adapted for extremely thin substrates in which the guide members are not liable to mechanical failure due to thermal stress.

2.4 The solution proposed in claim 1 of the present application cannot be considered as involving an inventive step (Article 33(3) PCT) for the following reasons:

Document **D2** discloses in the same technical field as the application a plasma treatment chamber adapted for plasma treating thin electronic substrates (abstract; c.f. column 1, lines 9-20). The substrate to be plasma treated in document **D2** is directly mounted on a ceramic coated and grooved bottom electrode specially design-ed to facilitate both close thermal contact between the substrate and the bottom electrode of the plasma treatment chamber (column 1, lines 56-68; c.f. fig. 4 (2,3,4)) and a safe removal of the cleaned substrate from the bottom electrode of the plasma treatment chamber after the plasma treatment (column 3, lines 7-63; c.f. figure 1A (2,3,4)). Since further miniaturisation is a well-known feature of microelectronic manufacturing, and the person skilled in the art would expect the disadvantages ascribed to the prior art in document **D2** (column 2, lines 28-31) to thereby increase, he would find it obvious to include the

teachings of document **D2** into the disclosure of document **D1** to allow for the plasma treatment of thin electronic substrates. The ceramic guides as disclosed in document **D1** would thereby no longer carry an electronic substrate, and together with the understanding that any hole in any structural ceramic acts as a stress concentrator, he would find it obvious to remove any hole from the ceramic guides and to place them on top of a stabilising support located at the same position.

- 2.5 Therefore the features disclosed in the documents **D1** and **D2** would be combined by the skilled person, without exercise of any inventive skills in order to solve the problem posed. The proposed solution in independent claim **1** thus cannot be consi-dered inventive (Article **33(3)** PCT).
- 3. The combination of the features of dependent claim 2 is neither known from, nor rendered obvious by, the available prior art. The reasons are as follows:
 - Neither document **D1** nor document **D2** disclose or fairly suggest additionally fitting a ceramic guide into a groove cut in the surface of the bottom electrode of the plasma treatment chamber to prevent jamming of a thin electronic substrate in the space between the bottom electrode of the plasma treatment chamber, which functions as the substrate mount, and a ceramic guide, as a consequence of removing all the tightening bolts from the ceramic guide.
- 4. The subject-matter of the claims **1-2** is industrially applicable as a surface treatment apparatus in the field of microelectronic manufacturing (Article **33(4)** PCT).

Re Item VIII

Certain observations on the international application

The subject-matter of claim 2 is unclear because separately fixed and movable guide members have not been defined in the independent claim 1 to which claim 2 refers. Therefore, "... the guide member ..." as decribed in claim 2 has not been previously defined, and a notch "... formed continuously in a longitudinal direction on the bottom of each of the rectangular bar-shaped guide members ..." is inconsistent with the description (compare fig. 4 (12) with fig. 5 (13)). In addition, the notched portion in the

"... bottom of the guide member ...", having a "... dimension (see fig. 5A (b)) larger than a widthwise dimension of the substrate (see fig 3 (Y)) ..." is inconsistent with the description (compare fig. 5A (b) to fig. 5B (t)). The term "widthwise" could, by way of example, be replaced by the term "thickness".

PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (Chapter I of the Patent Cooperation Treaty)

(PCT Rule 44bis)

Applicant's or agent's file reference P040605P0	FOR FURTHER ACTION	See item 4 below		
International application No. International filing date (day/month/year) Priority date (day/month/year) 10 February 2006 (10.02.2006) Priority date (day/month/year) 15 February 2005 (15.02.2005)				
International Patent Classification (8th edition unless older edition indicated) See relevant information in Form PCT/ISA/237				
Applicant MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.				

1.	This international preliminary re International Searching Authori		I) is issued by the International Bureau on behalf of the	
2.	This REPORT consists of a total	l of 8 sheets, including this co	ver sheet.	
	In the attached sheets, any refer to the international preliminary		the International Searching Authority should be read as a reference or I) instead.	
3.	This report contains indications	relating to the following items	::	
	. Box No. I	Basis of the report	· ·	
	Box No. II	Priority		
	Box No. III	Non-establishment of opin applicability	ion with regard to novelty, inventive step and industrial	
	Box No. IV	Lack of unity of invention		
	Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement		
	Box No. VI	Certain documents cited		
	Box No. VII	Certain defects in the inter	national application	
	Box No. VIII	Certain observations on the	e international application	
4.	4. The International Bureau will communicate this report to designated Offices in accordance with Rules 44bis.3(c) and 93bis.1 but not, except where the applicant makes an express request under Article 23(2), before the expiration of 30 months from the priority date (Rule 44bis.2).			
			Date of issuance of this report 21 August 2007 (21.08.2007)	
	The International Bure 34, chemin des Co.	lombettes	Authorized officer Masashi Honda	
1211 Geneva 20, Switzerland Facsimile No. +41 22 338 82 70			e-mail: pt08.pet@wipo.int	

Form PCT/IB/373 (January 2004)

From th	ne NATIONAL SEAR(CHING AUTHORITY		4 MAY 2006	DOT	
To:			LHECAD K] PCT	
			WIPO	PCT		
	see form P	CT/ISA/220	×	INTERNATION Date of mailing	TTEN OPINION OF TH ONAL SEARCHING AU (PCT Rule 43 <i>bis</i> .1)	THORITY
				(day/month/year)	see form PCT/ISA/210 (second she	et)
	cant's or agent's file r			FOR FURTHE See paragraph 2 b		
1 .	•				Priority date (day/month/year)	
	national application N UP2006/302780		ational filing date (2.2006	day/montn/year)	15.02.2005	
INV	. H01L21/00 H01	ification (IPC) or both nat J37/32 H01L21/677	tional classification H05K13/02	and IPC		
Appli MA	icant TSUSHITA ELEC	CTRIC INDUSTRIAL	. CO., LTD.			
1.	Box No. I Box No. II Box No. III Box No. IV Box No. V Box No. V Box No. VI Box No. VI	Lack of unity of inver Reasoned statement applicability; citations Certain documents of Certain defects in the Certain observations	f opinion with reg ntion t under Rule 43 <i>b</i> s and explanation cited e international ap	gard to novelty, inv is.1(a)(i) with regar ns supporting such oplication	entive step and industrial applicand to novelty, inventive step or instatement	
	written opinion of the applicant ch International Bu will not be so co If this opinion is submit to the IP from the date of whichever expir	of the International Pre- coses an Authority of the coses and Authority of the cost of the	birthan this one bis(b) that written considered to be ether, where app MSA/220 or before A/220.	to be the IPEA and opinions of this In	n will usually be considered to be A") except that this does not app d the chosen IPEA has notifed the ternational Searching Authority f the IPEA, the applicant is invitendments, before the expiration o 22 months from the priority date	ne od to f 3 months
3.	For further deta	uils, see notes to Form	PCT/ISA/220.			
N ₂	me and mailing addr	ess of the ISA:		f completion of	Authorized Officer	special Peterses
-	Europea Nt2280 Tel.+31	n Patent Office - P.B. 58 HV Rijswijk - Pays Bas 70 340 - 2040 Tx: 31 65 70 340 - 3016	I PCT//S		De Kroon, A Telephone No. +31 70 340-3514	

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/JP2006/302780

_	Вох	No	. I Basis of the opinion
1.	With	reç	gard to the language, this opinion has been established on the basis of:
	⊠	the	international application in the language in which it was filed
		a tr pur	anslation of the international application into , which is the language of a translation furnished for the poses of international search (Rules 12.3(a) and 23.1 (b)).
2.	With	n re ess	gard to any nucleotide and/or amino acid sequence disclosed in the international application and ary to the claimed invention, this opinion has been established on the basis of:
	a. ty	pe	of material:
	נ	3	a sequence listing
	Ī] .	table(s) related to the sequence listing
	b. fo	orm	at of material:
	į		on paper
	1		in electronic form
	c. ti	ime	of filing/furnishing:
			contained in the international application as filed.
			filed together with the international application in electronic form.
			furnished subsequently to this Authority for the purposes of search.
3	. 🗆	ha cc	addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto as been filed or furnished, the required statements that the information in the subsequent or additional opies is identical to that in the application as filed or does not go beyond the application as filed, as opropriate, were furnished.
4	. Ad	ditic	onal comments:
-	Во	x N	lo. II Priority
1	. 🛛	de	the validity of the priority claim has not been considered because the International Searching Authority claim has not been considered because the International Searching Authority class not have in its possession a copy of the earlier application whose priority has been claimed or, where equired, a translation of that earlier application. This opinion has nevertheless been established on the ssumption that the relevant date (Rules 43bis.1 and 64.1) is the claimed priority date.
2	2. 🗆	h	his opinion has been established as if no priority had been claimed due to the fact that the priority claim as been found invalid (Rules 43 <i>bis.</i> 1 and 64.1). Thus for the purposes of this opinion, the international ling date indicated above is considered to be the relevant date.
	· ^	14:1	anal absorvations if necessary

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/JP2006/302780

Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)

Inventive step (IS)

Yes: Claims

Claims

Claims

1,2

1,2

No:

No:

Yes: Claims

2

Industrial applicability (IA)

Yes: Claims

No: Claims

2. Citations and explanations

see separate sheet

Box No. VIII Certain observations on the international application

The following observations on the clarity of the claims, description, and drawings or on the question whether the claims are fully supported by the description, are made:

see separate sheet

PCT/JP2006/302780

Re Item V

Reasoned statement with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

Reference is made to the following documents:

D1 = US 5 823 416 A **D2** = US 5 443 689 A

- 2. The present application does not meet the criteria of Article **33(1)** PCT, because the subject matter of independent claim **1** does not involve an inventive step in the sense of Article **33(3)** PCT.
- 2.1 Document **D1**, which is considered to represent the most relevant state of the art to the subject matter of claim **1**, discloses (the references in parentheses applying to this document):

A plasma treatment apparatus (abstract; c.f. column 3, lines 54-62; c.f. fig. 1 (12,13) and fig. 12) for plasma treating a surface of a substrate in a treatment chamber, comprising: a base portion which forms a bottom portion of the treatment chamber (column 3, lines 23-33; c.f. figures 1 and 12 (12)); a box shaped member with its lower surface side open and a lower end portion abuts against a base surface on top of the base portion so as to form the treatment chamber (column 3, lines 37-45; c.f. figures 1 and 12 (13)); an electrode section which is fitted on the base portion through an insulator and whose upper surface is exposed in the treatment chamber (column 6, line 60, to column 7, line 8; c.f. column 8, lines 10-17; c.f. figures 8 and 9 (34)); a substrate mounting portion whose upper surface is covered with a ceramic (column 7, lines 33-45; c.f. fig. 12 (6,40,41) and figures 8 and 9 (40,41)); plasma generating means for generating a plasma for plasma treatment in the treatment chamber (column 9, line 3, to column 10, line 50; c.f. figures 12 (19,61,64) and 13); a plurality of bar-shaped ceramic guide members which are disposed on the upper surface of the substrate mounting portion along a substrate transporting direction and are adapted to guide side end surfaces of the substrate mounted on the substrate mounting portion (column 7, lines 33-45; c.f. figures 8 and 9 (40,41)); and guide member holding means for holding longitudinal both end portions of the guide members (column 7, lines 33-45; figures 8 and 9 (12,12c,42)), wherein the guide member holding means includes: a pair of fixed members which are fixedly disposed on the base portion in a transverse direction being at a right angle to the substrate transporting direction along outer edges of the substrate mounting portion (column 7, lines 33-35; c.f. figures 8 and 9 (both side end members of the treatment area A of the base 12 in the direction of the transport path L), and fitting means (column 7, lines 35-39; c.f. figures 8 and 9 (12c,42)) such that the interval in the transverse direction is adjustable (column 7, lines 42-44).

2.2 The subject-matter of independent claim 1 differs from the disclosure of D1 in that:

The substrate mounting portion constitutes an upper portion of said electrode section, and both the end portions of said guide members are supported by a plurality of supporting members whose position in the substrate transporting direction is given by the fixed members and who are fitted to said fixed members by said fitting means.

2.3 The problem to be solved by the present invention may therefore be regarded as

How to provide a plasma treatment system adapted for extremely thin substrates in which the guide members are not liable to mechanical failure due to thermal stress.

2.4 The solution proposed in claim 1 of the present application cannot be considered as involving an inventive step (Article 33(3) PCT) for the following reasons:

Document **D2** discloses in the same technical field as the application a plasma treatment chamber adapted for plasma treating thin electronic substrates (abstract; c.f. column 1, lines 9-20). The substrate to be plasma treated in document **D2** is directly mounted on a ceramic coated and grooved bottom electrode specially design-ed to facilitate both close thermal contact between the substrate and the bottom electrode of the plasma treatment chamber (column 1, lines 56-68; c.f. fig. 4 (2,3,4)) and a safe removal of the cleaned substrate from the bottom electrode of the plasma treatment chamber after the plasma treatment (column 3, lines 7-63; c.f. figure 1A (2,3,4)). Since further miniaturisation is a well-known feature of microelectronic manufacturing, and the person skilled in the art would expect the disadvantages ascribed to the prior art in document **D2** (column 2, lines 28-31) to thereby increase, he would find it obvious to include the

treatment of thin electronic substrates. The ceramic guides as disclosed in document **D1** would thereby no longer carry an electronic substrate, and together with the understanding that any hole in any structural ceramic acts as a stress concentrator, he would find it obvious to remove any hole from the ceramic guides and to place them on top of a stabilising support located at the same position.

- 2.5 Therefore the features disclosed in the documents D1 and D2 would be combined by the skilled person, without exercise of any inventive skills in order to solve the problem posed. The proposed solution in independent claim 1 thus cannot be consi-dered inventive (Article 33(3) PCT).
- 3. The combination of the features of dependent claim 2 is neither known from, nor rendered obvious by, the available prior art. The reasons are as follows:
 - Neither document **D1** nor document **D2** disclose or fairly suggest additionally fitting a ceramic guide into a groove cut in the surface of the bottom electrode of the plasma treatment chamber to prevent jamming of a thin electronic substrate in the space between the bottom electrode of the plasma treatment chamber, which functions as the substrate mount, and a ceramic guide, as a consequence of removing all the tightening bolts from the ceramic guide.
- 4. The subject-matter of the claims **1-2** is industrially applicable as a surface treatment apparatus in the field of microelectronic manufacturing (Article **33(4)** PCT).

Re Item VIII

Certain observations on the international application

1. The subject-matter of claim 2 is unclear because separately fixed and movable guide members have not been defined in the independent claim 1 to which claim 2 refers. Therefore, "... the guide member ..." as decribed in claim 2 has not been previously defined, and a notch "... formed continuously in a longitudinal direction on the bottom of each of the rectangular bar-shaped guide members ..." is inconsistent with the description (compare fig. 4 (12) with fig. 5 (13)). In addition, the notched portion in the

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (SEPARATE SHEET)

International application No.

PCT/JP2006/302780

"... bottom of the guide member ...", having a "... dimension (see fig. 5A (b)) larger than a widthwise dimension of the substrate (see fig 3 (Y)) ..." is inconsistent with the description (compare fig. 5A (b) to fig. 5B (t)). The term "widthwise" could, by way of example, be replaced by the term "thickness".